DESCRIPTION

Plant Science will publish in the minimum of time, research manuscripts as well as commissioned reviews, method papers (technical papers) and commentaries recommended by its referees in all areas of experimental plant biology with emphasis in the broad areas of genomics, proteomics, biochemistry (including enzymology), physiology, cell biology, development, genetics, functional plant breeding, systems biology and the interaction of plants with the environment. Although manuscripts containing large data are welcomed, they must contain functional validation.

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AUDIENCE

Plant biochemists, physiologists, molecular biologists and plant virologists
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microRNAs, 'Circular RNAs, responses to abiotic stress in Neotropical and crop plants.

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studying the mechanisms of actin assembly in polarized fungal growth and plant immunity

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transcription factors, gene regulatory networks, senescence, ROS signalling, abiotic stress, adaptive growth, leaf development, synthetic biology

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post-transcriptional regulatory events and the cytoskeleton

Paul Nakata, Houston, Texas, United States
Oxalic acid and calcium oxalate, biomineralization, mineal transport, mutagenesis, gene expression

Zvi Peleg, Rehovot, Israel
Plant Breeding, Stress Biology, Functional Genomics, Systems Biology, Monocots, Wheat

Alexios Polidoros, Thessaloniki, Greece
Study of biotic and abiotic stress defense in plants and role of antioxidant mechanisms, The role of stress in oxidative DNA damage and the response of DNA repair mechanisms in relation with epigenetic modifications of the genome, Developmental flower and fruit mechanisms as breeding targets, Establishment of principles and criteria for breeding stress tolerant crop plants, Molecular markers in plant breeding, variety identification and GMO detection.

Rosa M. Rivero, Murcia, Spain
plant physiology, plant biochemistry, abiotic stress combination, oxidative stress, plant molecular pathways and signalling

Juan Manuel Ruiz Sáez, Granada, Spain
plant nutrition, biofortification and phytoremediation of mineral elements, abiotic stress physiology, yield and quality of food in horticultural plants

Avi Sadka, Bet Dagan, Israel
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Sergey Shabala, Hobart, Australia
stress physiology (salinity; waterlogging; drought; oxidative stress; soil acidity; Al toxicity); membrane transport (ion channels and pumps); plant nutrition; stomata physiology; circadian and ultradian rhythms and oscillations

Jeffrey Shen, Las Vegas, Nevada, United States
Seed dormancy and germination; Plant responses to environmental stresses; ABA and GA signaling and crosstalk, Genomics and Bioinformatics

Takehiko Shimada, Shizuoka, Japan
Aroma component, DNA marker, genome, Citrus, Mandarine orange

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**Bao Yiqun**, Nanjing, China
the relationship between protein transport and plant growth and development. Cloning and Functional Analysis of Agronomic Traits Related Genes in Rice.

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GUIDE FOR AUTHORS

INTRODUCTION
Plant Science publishes, in the minimum time, papers recommended by its referees in all areas of experimental plant biology.

Papers describing experimental work with multicellular plants and plant-like microorganisms (protists) including algae and fungi, and blue-green algae (cyanobacteria) are appropriate.

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